USCMS Engineer Status Report for April 2004

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1 Work Performed This Month

o) Both IGUANA and IGUANACMS web sites are brought up to date. User guide updated.

o) Initial port to the new GUI layout with MDI (multi-document interface) done. Preliminary tests performed. IGUANA 5.0.0 will be released based on MDI.

o) OpenInventor shape selector provided. It's an example with a list of all test which can be run by simply selectiong the name of the test. Interactively updated editor window shows the code and 3D window shows the shape. I't useful for testing the shapes and also for the users who will visualize their own code.

o) Account obtained at T1 (FNAL). Testing and running iguana during DC04.

o) DST viewer done. Automatically loading the content after the first event is dispatched. Needs more work after discussions with the users (how and what they want to visualize).

o) IGUANA workshop has been organized at CERN:

It has been held in a form of tutorial-like presentations-discussions with a target on IGUANA application developers. We discussed IGUANA philosophy, MDI architecture, control center and CMS applications based on IGUANA. The discussions will include class diagrams and examples (main focus). Collected material (minutes, discussion drafts, refined examples, slides, etc.) will constitute a base for a user/developer guide which will be published as an internal CMS note shortly after the meetings.

Here is the summary of the IGUANA workshop:

The workshop took place at CERN from Monday 26 April 2004 to Thursday 29 April 2004. The materials of the workshop are available at the agenda: http://agenda.cern.ch/fullAgenda.php?ida=a041711

Participants: L.Tuura, S.Muzaffar, G.Eulisse, I.Osborne, M.Mennea, G.Zito, L.Silvestris.

The goals of the workshop: - Review and summarize IGUANA architecture. As an outcome: a user/developer guide and tutorials; - Launch a discussion on where IGUANA's place in ARDA. - Identify topics for future discussions/development.

Four sessions were devoted to IGUANA architecture based on the state model, MDI, control center and IGUANA applications for CMS. Presentations of various implementation aspects were supported by the coding examples, demos, and followed by very productive discussions.

Outcome of the workshop:

The proceedings of the workshop will be published as an internal CMS note. Revised and extended it will become a base for a user/developer guide. Yana will take care of editing the proceedings.

It has been agreed to create a common source of IGUANA documentation so that everybody would be able to contribute interactively. Giulio will take care of providing the web site.

All participants found the workshop very useful and expressed interest in such an event on a regular basis. Bari has been proposed as a place to hold the next one.

2 Resources Needed

A new desktop computer in the office would be very handy. My current computer is literally falling apart. I'd appreciate if someone could tell me who to ask.

3 Links To Supporting Documentation

- http://iguana.cern.ch

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- http://iguanacms.web.cern.ch/iguanacms

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- IGUANA Workshop agenda:

- http://agenda.cern.ch/fullAgenda.php?ida=a041711